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ووجيسايات الرسوسان

EPO - DG1

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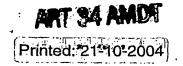
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Claims

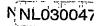
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- 1. Method for securing a metal part in a concrete part, comprising the steps of providing a concrete part having a cavity which extends from an outer wall thereof, of providing a formwork, of placing a body into said formwork, the shape of which body at least partially corresponds to said cavity and that side of which body that adjoins the concrete material comprising an elastomer material, the mechanical properties of said body being such that, when tensile force is applied to said body in the vicinity of said boundary surface, the diameter of said body is considerably reduced, with the result that said body, after the concrete has been poured and at least partially set, can be removed from said shaped cavity, which diameter of said body can be elastically reduced, of pouring and at least partially setting the concrete, detaching said formwork and said body and securing said metal part in said cavity, characterized in that said securing step comprises the step of filling the space between the concrete part and said metal part with a material which bonds to said metal part and to said concrete part.
- 2. Method as claimed in claim 1, in which said body is externally provided with a profiling.
- 3. Method as claimed in one of the preceding claims, in which said securing step comprises the step of screwing said metal part into a screw thread arranged in said cavity.
- 4. Method as claimed in claim 3, in which said screw thread comprises an encased threaded part.
- 5. Method of securing a series of metal parts in a concrete part, comprising the steps of providing a concrete part having arranged therein a series of cavities, which extend as far as an outer wall of a concrete part, in said concrete part, comprising the steps of providing a formwork, placing a series of bodies into said formwork, the exterior of each of said bodies comprising an elastomer material, introducing said metal parts in said cavity and securing said metal part in said cavity.

- 6. Method as claimed in claim 5, in which said series of bodies are connected by a common carrier.
- 7. Method as claimed in one of the preceding claims, in which said body is secured to the inner side of the formwork adjoining the latter, and after said formwork has been removed said body is also taken away.
- 8. Method as claimed in one of the preceding claims, in which said concrete part is poured in a factory remote from its final destination.
- 9. Method as claimed in one of the preceding claims, in which said metal part comprises reinforcing steel.
- 10. Method as claimed in one of the preceding claims 1-4, in which said metal part is arranged in a further concrete part.
- 11. Method as claimed in one of the preceding claims, in which said elastomer body comprises a polysiloxane material.
- 12. Method as claimed in one of the preceding claims, in which said body comprises a core made from a material with a higher tensile strength than its wall, is provided with a supporting surface and is self-supporting.
- 13. Method as claimed in one of the preceding claims, in which said body is provided, in the vicinity of the formwork end, with securing means (99, 109) for securing it to said formwork.
- 14. Method for producing a cavity in a concrete part, which cavity is elongate and, at least at one end, opens out at a boundary surface of said concrete part, comprising the steps of placing a body, the shape of which at least partially corresponds to said cavity, into a formwork, filling said formwork with concrete material and, after this concrete material has set, removing said body, characterized in that that side of said body which



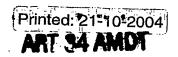




13

adjoins the concrete material to be poured comprises an elastomer material.

- 15. Method as claimed in claim 14, in which said cavity opens out at both ends at the same boundary surface of said concrete part, and in which a reinforcement is provided, around which concrete material which is to be set is poured into a mould, which reinforcement is arranged in such a manner that it extends on both sides of said body, and said cavity is embodied to receive a hoisting feature.
- 16. Method as claimed in claim 14 or 15, in which said body is provided with series of projections which, when fitted into said formwork, extend at a distance from said end.
- 17. Method as claimed in claim 16, in which said projections comprise an external screw thread.
- 18. Method as claimed in one of claims 14-17, in which said body is provided with a receiving means for a part which is to be encased, and after the concrete body has set, said part which is to be encased remains behind in the set concrete when said body is removed.
- 19. Method as claimed in one of the preceding claims, in which said body comprises a core with an elastomer coating arranged around it, and in which the removal of said body from said concrete comprises firstly the removal of the core, followed by the elastomer material.
- 20. Assembly comprising two concrete parts secured to one another, comprising a concrete part and a further concrete part, said concrete part comprising, at the boundary surface with said further concrete part a series of cavities which extend substantially perpendicular to said boundary surface, the boundary wall of said cavities comprises concrete, said further concrete part being provided, at the boundary surface with the concrete part, with a series of projecting reinforcing bars which, in the coupled state to said concrete part, extend into the cavities in said concrete part, the





14

space between said cavity and said reinforcing bars being filled with a material which bonds said reinforcing bars to said concrete body.

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